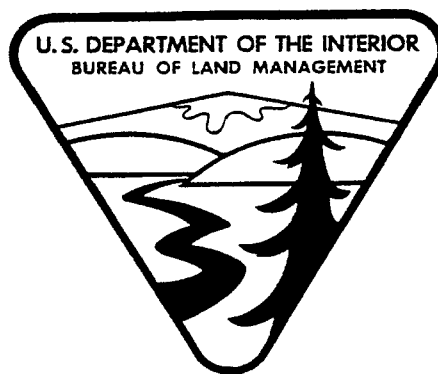


CALMET/CALPUFF Modeling Technical Report

for the

**Pinedale Anticline Oil and Gas
Exploration and Development Project**

Sublette County, Wyoming



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Bureau of Land Management
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In Cooperation With:

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This CALMET/CALPUFF Modeling Technical Report was prepared by ENVIRON International Corporation, with the guidance, participation, and independent evaluation of the Bureau of Land Management and cooperating agencies. The Bureau of Land Management and the cooperating agencies, in accordance with 40 CFR 1506.5(a) and (b), are in agreement with the findings of the analysis and approve and take responsibility for the scope and content of this document.

TABLE OF CONTENTS

	Page
1. INTRODUCTION	1-1
2. CALMET MODELING	2-1
3. EMISSION INVENTORY DEVELOPMENT	3-1
4. CALPUFF MODELING	4-1
Near-Source CALPUFF Modeling	4-3
Far-Field CALPUFF Modeling	4-8
5. MODELING RESULTS.....	5-1
Emission Scenarios	5-1
Near-Field Criteria and PSD Pollutant Ambient Concentrations.....	5-1
Far-Field Criteria and PSD Pollutant Ambient Concentrations.....	5-2
Far-Field Visibility Impacts	5-3
Acid Deposition Impacts.....	5-5
Detailed Examination of Any Potential Adverse Effects Due to the Project and Post-95 Cumulative Emissions.....	5-6
Modeling of Naughton NO _x Emissions Reductions.....	5-8
REFERENCES.....	R-1

APPENDICES

Appendix A: Near-Source Air Quality Impacts

- Annual Average Emissions
- Maximum CALPUFF – Estimated Concentrations for 1995
- Pinedale Anticline Project Contribution
- Contribution Due to Sources Since June 30, 1995 (post-95)
- Cumulative Contribution (Project + post-95)
- Total Concentration (Project + post-95 + background)

Appendix B: Near-Source Air Quality Impacts

- Maximum Hourly Emissions
- Maximum CALPUFF – Estimated Concentrations for 1995
- Pinedale Anticline Project Contribution
- Contribution Due to Sources Since June 30, 1995 (post-95)
- Cumulative Contribution (Project + post-95)
- Total Concentration (Project + post-95 + background)

Appendix C: Far-Field Air Quality Impacts

Annual Average Emissions

Maximum CALPUFF – Estimated Concentrations for 1995

Pinedale Anticline Project Contribution

Contribution Due to Sources Since June 30, 1995 (post-95)

Cumulative Contribution (Project + post-95)

Total Concentration (Project + post-95 + background)

Appendix D: Far-Field Visibility Impacts

Annual Average Emissions

Number of Days Deciview (DV) > 0.5 and 1.0 of Background

Pinedale Anticline Project Contribution

Contribution Due to Sources Since June 30, 1995 (post-95)

Cumulative Contribution (Project + post-95)

Appendix E: Far-Field Visibility Impacts

Annual Average Emissions

Number of Days Extinction (b_{ext}) > 5 and 10% of Background

Pinedale Anticline Project Contribution

Contribution Due to Sources Since June 30, 1995 (post-95)

Cumulative Contribution (Project + post-95)

Appendix F: Pinedale Anticline Project Acid Deposition Impacts

Cumulative Acid Deposition Impacts (Project + Post-95)

700 and 500 Wells

Project-Wide (PW) and Anticline Crest (AC)

Three Compressor Locations (C1, C2, and C3)

Three Compressor NO_x Emission Rates (0.7, 1.0, and 1.5 g/hp-hr)

Appendix G: Details for the Sensitive-Area-Days in Which the

Cumulative (Project + post-95) Visibility Impact is greater than 0.5 Δdv

For Each of the 36 Project Alternatives

Appendix H: Far-Field Visibility Impacts Annual Average

Emissions with Naughton 2008 TPY NO_x Reduction

Pinedale Anticline Project Contribution

Contribution Due to Sources Since 6/30/95 (post-95)

Cumulative Contribution (Project + post-95)

Appendix I: Maximum Naughton Concentration and Visibility Impacts

Naughton = Naughton at Current Emissions

LNBT = Naughton with 2000 TPY NO_x Reductions from Unit 3

Far-Field Concentration Impacts

Far-Field Visibility Impacts

TABLES

Table 2-1.	Default CALMET land use categories and associated geophysical parameters based on the U.S. Geological Survey Land Use Classification System (14-category system). (Source: Scire et al, 1998).....	2-3
Table 2-2.	Percent of valid data values at each site and for each meteorological parameter for January through December 1995.....	2-12
Table 4-1a.	PSD Increment Standards - Class I Areas.....	4-3
Table 4-1b.	PSD Increment Standards - Class II Areas.....	4-4
Table 4-2.	Regional Baseline Ambient Concentrations ($\mu\text{g}/\text{m}^3$).....	4-4
Table 4-3.	Wyoming Ambient Air Quality Standards.....	4-5
Table 4-4a.	IWAQM-recommended current visibility conditions (mean of the best 20% from 1987-1997) In the Bridger Wilderness Area based on IMPROVE monitoring data (Source: FLAG, 12/10/98).....	4-5
Table 4-4b.	Visibility Background used in the Pinedale Anticline Project EIS (mean of the best 20% from 1987-June 30, 1995) in the Bridger Wilderness Area based on IMPROVE monitoring data (Source: NFS/Copeland, 1999).....	4-15
Table 4-5.	Bridger Wilderness Area Monitored Lake Acid Neutralizing Capacity (ANC) in $\mu\text{eq}/\text{l}$	4-18
Table 5-1a.	Maximum near-source CALPUFF-estimated air quality concentrations due to the Pinedale Anticline Project alone, all expected additional sources since 1995 alone (post-95), cumulative impacts (Project+post-95), and total concentration including background for the 700 Project-Wide operating wells using compressor location C1 with a NO_x emissions rate of 1.5 g/hp-hr emissions scenario using annual emissions.....	5-12
Table 5-1b.	Maximum near-source CALPUFF-estimated air quality concentrations due to the Pinedale Anticline Project alone, all expected additional sources since 1995 alone (post-95), cumulative impacts (Project+post-95), and total concentration including background for the 700 Anticline Crest operating wells using compressor location C1 with a NO_x emissions rate of 1.5 g/hp-hr emissions scenario using annual emissions.....	5-12
Table 5-2a.	Maximum near-source CALPUFF-estimated air quality concentrations due to the Pinedale Anticline Project alone, all expected additional sources since 1995 alone (post-95), cumulative impacts (Project+post-95), and total concentration including background for the 700 Project-Wide operating wells using compressor location C1 with a NO_x emissions rate of 1.5 g/hp-hr emissions scenario using maximum hourly emissions.....	5-13

Table 5-2b.	Maximum near-source CALPUFF-estimated air quality concentrations due to the Pinedale Anticline Project alone, all expected additional sources since 1995 alone (post-95), cumulative impacts (Project+post-95), and total concentration including background for the 700 Anticline Crest operating wells using compressor location C1 with a NO _x emissions rate of 1.5 g/hp-hr emissions scenario using maximum hourly emissions.....	5-13
Table 5-3a.	Maximum far-field CALPUFF-estimated air quality concentrations due to the Pinedale Anticline Project alone, all expected additional sources since 1995 alone (post-95), cumulative impacts (Project+post-95), and total concentration including background for the 700 Project-Wide operating wells using compressor location C1 with a NO _x emissions rate of 1.5 g/hp-hr emissions scenario using annual average.....	5-14
Table 5-3b.	Maximum far-field CALPUFF-estimated air quality concentrations due to the Pinedale Anticline Project alone, all expected additional sources since 1995 alone (post-95), cumulative impacts (Project+post-95), and total concentration including background for the 700 Anticline Crest operating wells using compressor location C1 with a NO _x emissions rate of 1.5 g/hp-hr emissions scenario using annual average.....	5-16
Table 5-4.	CALPUFF-estimated visibility impacts at the Bridger Wilderness Area due to the potential Pinedale Anticline Project alternatives, new sources since June 30, 1995 (Post-95_Sources), and cumulative impacts (Project+Post-95_Sources) using a visibility background based on the mean of the 20 percent cleanest days from the Bridger IMPROVE reconstructed mass data.....	5-18
Table 5-5.	Details on the sensitive areas-days with cumulative visibility increment Greater than 0.5 Δ _{adv} for several Project alternatives (results for all alternatives are contained in Appendix G).....	5-19
Table 5-6.	Summary of precipitation during days in which the cumulative (Project + post-95) visibility increment is greater than 0.5 Δ _{adv} at a sensitive receptor area for any Project Alternative.....	5-21
Table 5-7.	Comparisons of the Pinedale Anticline Project, Post-95, and cumulative (Project+post-95) visibility impacts at the sensitive receptor areas with (a) and without (b) the concurrent benefits of the Naughton LNBT NO _x emission reductions -- 700 wells Project-wide with compressor location C1 operating at 0.7 gm/hp-hr NO _x emissions (PW-700-C1-0.7).....	5-22
Table 5-8.	Comparisons of the Pinedale Anticline Project, Post-95, and cumulative (Project+post-95) visibility impacts at the sensitive receptor areas with (a) and without (b) the concurrent benefits of the Naughton LNBT NO _x emission reductions -- 700 wells Project-Wide with compressor location C1 operating at 1.0 gm/hp-hr NO _x emissions (PW-700-C1-1.0).....	5-23

Table 5-9.	Comparisons of the Pinedale Anticline Project, Post-95, and cumulative (Project+post-95) visibility impacts at the sensitive receptor areas with (a) and without (b) the concurrent benefits of the Naughton LNBT NO _x emission reductions -- 700 wells Project-Wide with compressor location C1 operating at 1.5 gm/hp-hr NO _x emissions (PW-700-C1-1.5).....	5-24
Table 5-10.	CALPUFF-estimated visibility impacts at the sensitive receptor areas for the current Naughton Generating Station Units 1, 2, and 3 SO _x , PM, and NO _x emissions and the Naughton Generating Station emissions with the LNBT NO _x controls on Unit 3 (visibility background based on the mean of the 20 percent cleanest days from the Bridger IMPROVE reconstructed mass data).....	5-25

FIGURES

Figure 2-1.	Terrain heights used in the Pinedale Anticline Project EIS CALMET Modeling.....	2-2
Figure 2-2.	Spatial distribution of the land-use categories used in the Pinedale Anticline Project EIS CALMET modeling.	2-5
Figure 2-3.	Locations of surface meteorological sites used in the Pinedale Anticline Project EIS CALMET modeling.....	2-6
Figure 2-4.	Location of the COOP precipitation measurement sites used in the Pinedale Anticline Project EIS CALMET modeling.....	2-11
Figure 3-1.	Locations of the Project and post-95 point and area sources used in the Pinedale Anticline Project EIS CALPUFF modeling.....	3-6
Figure 4-1.	CALMET Project EIS modeling domain. Also shown is the near-source CALPUFF modeling domain (near-field) for Project sources and the far-field and near-source non- Project sources Southwestern WY CALPUFF modeling domain.....	4-2
Figure 4-2.	Near-source receptor grid at 4-km x 4-km resolution except around potential compressor station locations where a 1-km x 1-km receptor grid is used.....	4-6
Figure 4-3.	CALPUFF far-field modeling receptor locations along sensitive area boundaries spaced 1-km (< 50-km from the Project), 4-km (50-80-km from the Project), and 8-km (> 80-km from the Project) apart.....	4-9
Figure 5-1a.	Number of sensitive area-days the 0.5 Δ adv and 1.0 Δ adv LAC thresholds are exceeded combining the Naughton benefit and cumulative (Project + post-95) increment impacts for the PW-700-C1-0.7, PW-700-C1-1.0, and PW-700-C1-1.5 Project Alternatives.....	5-26
Figure 5-1b.	Number of sensitive area-days the 0.5 Δ adv and 1.0 Δ adv LAC thresholds are exceeded combining the Naughton benefit and cumulative (Project + post-95) increment impacts for the PW-500-C1-0.7, PW-500-C1-1.0, and PW-500-C1-1.5 Project Alternatives.....	5-27

Figure 5-2.	Number of days the 0.5 Δ dv and 1.0 Δ dv LAC thresholds are exceeded at reach sensitive receptor area due to the Naughton benefit, cumulative (Project + post-95) impact, and combined for the PW-700-C1-0.7 Project Alternative.....	5-28
Figure 5-3.	Number of days the 0.5 Δ dv and 1.0 Δ dv LAC thresholds are exceeded at reach sensitive receptor area due to the Naughton benefit, cumulative (Project + post-95) impact, and combined for the PW-700-C1-1.0 Project Alternative.....	5-30
Figure 5-4.	Number of days the 0.5 Δ dv and 1.0 Δ dv LAC thresholds are exceeded at reach sensitive receptor area due to the Naughton benefit, cumulative (Project + post-95) impact, and combined for the PW-700-C1-1.5 Project Alternative.....	5-32

EXHIBITS

Exhibit 2-1.	CALMET input control file for a January CALMET simulation.....	2-20
Exhibit 4-1.	Example CALPUFF input control file for the Pinedale Anticline Project CALPUFF modeling of compressor location number 1 operating at 1.0 g/hp-hr NO _x emissions.....	4-20